

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/551,525
Source: 1 FWP
Date Processed by STIC: 4/10/07

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/551,525

TIME: 13:10:03

Input Set : A:\Seq Listing.txt

Output Set: N:\CRF4\04102007\J551525.raw

and

```

3 <110> APPLICANT: EluSys Therapeutics, Inc.
5 <120> TITLE OF INVENTION: Immunogenicity-reduced anti-CR1 antibody and compositions
6      methods of treatment based thereon
8 <130> FILE REFERENCE: ELI-037US
10 <140> CURRENT APPLICATION NUMBER: 10/551,525
11 <141> CURRENT FILING DATE: 2005-09-30
13 <150> PRIOR APPLICATION NUMBER: 60/458,869
14 <151> PRIOR FILING DATE: 2003-03-28
16 <160> NUMBER OF SEQ ID NOS: 14
18 <170> SOFTWARE: PatentIn version 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 366
22 <212> TYPE: DNA
23 <213> ORGANISM: Mus musculus
25 <400> SEQUENCE: 1
26 gatgtgcagc ttcaggagtc gggacctggc ctggtgaaac cttctcagtc tctgtccctc      60
28 acctgcactg tctactggcta ctcaatcacc agtgattatg cctggaactg gatccggcag      120
30 tttccaggaa acaagctgga gtggatgggc tacataagct acagtggtag cactagctac      180
32 caccatcttc tcaaaagtcg aatctctatc actcgagaca catccaagaa ccagttcttc      240
34 ctgcagttga attctgtgac tactgaggac acagccacat attactgtac aactatcatt      300
36 aactatgata agtacgactg gtacttcgat gtctggggcg cagggaccac ggtcaccgtc      360
38 tcctca
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 122
43 <212> TYPE: PRT
44 <213> ORGANISM: Mus musculus
46 <400> SEQUENCE: 2
48 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
49 1      5      10      15
52 Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp
53      20      25      30
56 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
57      35      40      45
60 Met Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu
61      50      55      60
64 Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 65      70      75      80
68 Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
69      85      90      95
72 Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
73      100     105     110
76 Gly Ala Gly Thr Thr Val Thr Val Ser Ser
77      115     120

```

RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/551,525

TIME: 13:10:03

Input Set : A:\Seq Listing.txt

Output Set: N:\CRF4\04102007\J551525.raw

```

80 <210> SEQ ID NO: 3
81 <211> LENGTH: 332
82 <212> TYPE: DNA
83 <213> ORGANISM: Mus musculus
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (32)..(34)
89 <223> OTHER INFORMATION: n is a, c, g, or t
91 <220> FEATURE:
92 <221> NAME/KEY: misc_feature
93 <222> LOCATION: (67)..(69)
94 <223> OTHER INFORMATION: n is a, c, g, or t
96 <400> SEQUENCE: 3
W--> 97 tacattgtgc tgacacagtc tctgtcttc tnnnttggtg ctctgaggca gagggccacc      60
99 atctcannng ggccagccaa agtgtcagga catcaagtta tagttatata cactgggtacc      120
101 aacagaaacc aggacagcca cccaaactcc tcatcaagta tgcattccagc ctagaatctg      180
103 ggggtccctgc caggttcagt ggcagtgggt ctgggacaga cttcaccctc aacatccatc      240
105 ctgtggagga ggaggatact gcaacatatt actgtcagca cagttgggag attccgtgga      300
107 cgttcgggtg aggcaccaca ctggaaatca ga      332
110 <210> SEQ ID NO: 4
111 <211> LENGTH: 111
112 <212> TYPE: PRT
113 <213> ORGANISM: Mus musculus
115 <400> SEQUENCE: 4
117 Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Val Val Ser Leu Arg
118 1      5      10      15
121 Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser Val Arg Thr Ser
122      20      25      30
125 Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
126      35      40      45
129 Lys Leu Leu Ile Lys Tyr Ala Ser Ser Leu Glu Ser Gly Val Pro Ala
130      50      55      60
133 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
134 65      70      75      80
137 Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln His Ser Trp
138      85      90      95
141 Glu Ile Pro Trp Thr Phe Gly Gly Gly Thr Thr Leu Glu Ile Arg
142      100      105      110
145 <210> SEQ ID NO: 5
146 <211> LENGTH: 827
147 <212> TYPE: DNA
148 <213> ORGANISM: Mus musculus
151 <220> FEATURE:
152 <221> NAME/KEY: misc_feature
153 <222> LOCATION: (36)..(36)
154 <223> OTHER INFORMATION: n is a, c, g, or t
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (69)..(72)

```

RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/551,525

TIME: 13:10:03

Input Set : A:\Seq Listing.txt

Output Set: N:\CRF4\04102007\J551525.raw

159 <223> OTHER INFORMATION: n is a, c, g, or t

161 <220> FEATURE:

162 <221> NAME/KEY: misc_feature

163 <222> LOCATION: (664)..(666)

164 <223> OTHER INFORMATION: n is a, c, g, or t

166 <220> FEATURE:

167 <221> NAME/KEY: misc_feature

168 <222> LOCATION: (700)..(702)

169 <223> OTHER INFORMATION: n is a, c, g, or t

171 <400> SEQUENCE: 5

```

W--> 172 aagcttatga atatgcaaat cctctgaatc tacatngtaa atataggttt gtctataacca      60
174 caaacagann nncatgagat cacagttctc tctacagtta ctgagcacac aggacctcac      120
176 catgggatgg agctgtatca tcctcttctt ggtagcaaca gctacaggta aggggctcac      180
178 agtagcaggc ttgaggtctg gacatatata tgggtgacaa tgacatccac tttgcctttc      240
180 tctccacagg tgtccactcc gatgtgcagc ttcaggagtc gggacctggc ctggtgaaac      300
182 cttctcagac tctgtccctc acctgcactg tctctggcta ctcaatgacc agtgattatg      360
184 cctggaactg gattcggcag tttccaggaa aggggctgga gtggatcggc tacataagct      420
186 acagtggtag cactacctac caccatctg tcaaaagtcg aatcactatc tctcgagaca      480
188 catccaagaa ccagttcttc ctgcagatga actctgtgac tactgaggac acagccacat      540
190 attactgtac aactatcatt aactatgata agtacgactg gtacttcgat tactggggcc      600
192 aaggggaccac ggtcaccgtc tcctcaggtg gtccttataa cctctctctt ctattcagct      660
194 taannngatt ttactgcatt tgttgggggg gaaatgtgtn nntctgaatt tcaggtcagt      720
196 aaggactagg gacaccttgg gagtcagaaa gggtcatttg gagccccggc tgatgcagac      780
198 agacatcctc agtcccaga cttcatggcc agagatttat aggatcc      827

```

201 <210> SEQ ID NO: 6

202 <211> LENGTH: 126

203 <212> TYPE: PRT

204 <213> ORGANISM: Mus musculus

206 <400> SEQUENCE: 6

```

208 Gly Val His Ser Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val
209 1          5          10          15
212 Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser
213          20          25          30
216 Met Thr Ser Asp Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys
217          35          40          45
220 Gly Leu Glu Trp Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Thr Tyr
221          50          55          60
224 His Pro Ser Val Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys
225 65          70          75          80
228 Asn Gln Phe Phe Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala
229          85          90          95
232 Thr Thr Tyr Cys Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr
233          100         105         110
236 Phe Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
237          115         120         125

```

240 <210> SEQ ID NO: 7

241 <211> LENGTH: 630

242 <212> TYPE: DNA

243 <213> ORGANISM: Mus musculus

RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/551,525

TIME: 13:10:03

Input Set : A:\Seq Listing.txt

Output Set: N:\CRF4\04102007\J551525.raw

246 <220> FEATURE:

247 <221> NAME/KEY: misc_feature

248 <222> LOCATION: (559)..(559)

249 <223> OTHER INFORMATION: n is a, c, g, or t

251 <400> SEQUENCE: 7

252 agcttatgaa tatgcaaata ctctgaatct acatggtaaa tataggtttg tctataccac 60

254 aaacagaaaa acatgagata cagttctctc tacagttact gagcacacag gacctcacca 120

256 tgggatggag ctgtatcatc ctcttcttgg tagcaacagc tacaggtaag gggctcacag 180

258 tagcaggctt gaggtctgga catatatatg ggtgacaatg acatccactt tgcctttctc 240

260 tccacaggtg tccactccga cattgtgctg acacagtcctc ctgcttcctt agttgtgtct 300

262 gtgaggcaga gggccaccat ctcattgcagg gccagccaaa gtgtcaggac atcaagttat 360

264 agttatatac actggtacca acagaaacca ggacagccac ccaaactcct catctactat 420

266 gcatccagcc tagaatctgg ggtccctgcc aggttcagtg gcagtgggtc tgggacagac 480

268 ttcacctca acatcagtc tgtggaggag gaggatactg caacatatta ctgtcagcac 540

W--> 270 agttgggaga ttccgtggnc gttcgggtcca ggcaccaaag tggaaatcaa acgtgagtag 600

272 aatttaaact ttgcttctc agttggatcc 630

275 <210> SEQ ID NO: 8

276 <211> LENGTH: 114

277 <212> TYPE: PRT

278 <213> ORGANISM: Mus musculus

281 <220> FEATURE:

282 <221> NAME/KEY: misc_feature

283 <222> LOCATION: (104)..(104)

284 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid

286 <400> SEQUENCE: 8

288 Gly Val His Ser Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Val

289 1 5 10 15

292 Val Ser Val Arg Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser

293 20 25 30

296 Val Arg Thr Ser Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro

297 35 40 45

300 Gly Gln Pro Pro Lys Leu Leu Ile Tyr Tyr Ala Ser Ser Leu Glu Ser

301 50 55 60

304 Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Phe Thr Leu

305 65 70 75 80

308 Asn Ile Ser Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln

309 85 90 95

W--> 312 His Ser Trp Glu Ile Pro Trp Xaa Phe Gly Pro Gly Thr Lys Val Glu

313 100 105 110

316 Ile Lys

320 <210> SEQ ID NO: 9

321 <211> LENGTH: 122

322 <212> TYPE: PRT

323 <213> ORGANISM: Mus musculus

325 <400> SEQUENCE: 9

327 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

328 1 5 10 15

331 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Met Thr Ser Asp

332 20 25 30

RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/551,525

TIME: 13:10:03

Input Set : A:\Seq Listing.txt

Output Set: N:\CRF4\04102007\J551525.raw

```

335 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp
336          35          40          45
339 Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Val
340          50          55          60
343 Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
344 65          70          75          80
347 Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
348          85          90          95
351 Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
352          100         105         110
355 Gly Gln Gly Thr Thr Val Thr Val Ser Ser
356          115         120
359 <210> SEQ ID NO: 10
360 <211> LENGTH: 122
361 <212> TYPE: PRT
362 <213> ORGANISM: Mus musculus
364 <400> SEQUENCE: 10
366 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
367 1          5          10          15
370 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Met Thr Ser Asp
371          20          25          30
374 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp
375          35          40          45
378 Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu
379          50          55          60
382 Lys Ser Arg Ile Ser Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
383 65          70          75          80
386 Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
387          85          90          95
390 Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
391          100         105         110
394 Gly Gln Gly Thr Thr Val Thr Val Ser Ser
395          115         120
398 <210> SEQ ID NO: 11
399 <211> LENGTH: 122
400 <212> TYPE: PRT
401 <213> ORGANISM: Mus musculus
403 <400> SEQUENCE: 11
405 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
406 1          5          10          15
409 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile Thr Ser Asp
410          20          25          30
413 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp
414          35          40          45
417 Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu
418          50          55          60
421 Lys Ser Arg Ile Ser Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
422 65          70          75          80
425 Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/551,525

DATE: 04/10/2007
TIME: 13:10:04

Input Set : A:\Seq Listing.txt
Output Set: N:\CRF4\04102007\J551525.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. ~~32,33,34,67,68,69~~

Seq#:5; N Pos. ~~36,69,70,71,72,664,665,666,700,701,702~~

Seq#:7; N Pos. ~~559~~

Seq#:8; Xaa Pos. ~~104~~

VERIFICATION SUMMARY

DATE: 04/10/2007

PATENT APPLICATION: US/10/551,525

TIME: 13:10:04

Input Set : A:\Seq Listing.txt

Output Set: N:\CRF4\04102007\J551525.raw

L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

M:341 Repeated in SeqNo=3

L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

M:341 Repeated in SeqNo=5

L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:540

L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:96